

# LS-EMLP (27X8) WH - Device marker



0831688

<https://www.phoenixcontact.com/us/products/0831688>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Device marker, Sheet, white, unmarked, can be labeled with: TOPMARK NEO, TOPMARK LASER, mounting type: adhesive, Number of individual labels: 120, text field height: 8 mm, text field width: 27 mm



## Your advantages

- Stick-on device marking
- Prefabricated device markers in the proven laser-sheet format for ideal positioning in the marking device
- Very high contrast due to the white top layer with black marking

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 0831688       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BG19          |
| Product key                          | BG241D        |
| GTIN                                 | 4046356926195 |
| Weight per piece (including packing) | 36.62 g       |
| Weight per piece (excluding packing) | 36.62 g       |
| Customs tariff number                | 39203000      |
| Country of origin                    | DE            |

## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | Gerätemarker |
|--------------|--------------|

### Marking

|                             |                      |
|-----------------------------|----------------------|
| Number of individual labels | 120                  |
| Identification technology   | Direct laser marking |

### Dimensions

|        |          |
|--------|----------|
| Width  | 27.00 mm |
| Height | 7.90 mm  |
| Depth  | 0.85 mm  |

### Material specifications

|                       |                                |
|-----------------------|--------------------------------|
| Foil strength         | 800 µm                         |
| Adhesive strength     | 50 µm                          |
| Adhesive              | Acrylic                        |
| Color                 | white (RAL 9010)               |
| Base element material | ABS                            |
| Components            | free from silicone and halogen |

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

#### Test for substances that would hinder coating with paint or varnish

|               |                                |
|---------------|--------------------------------|
| Result        | Test passed                    |
| Specification | EN ISO 1518-1:2023 (following) |
| Requirements  | ≥ 5 N                          |
| Result        | Test passed                    |

#### Tesafilm test

|               |                                     |
|---------------|-------------------------------------|
| Specification | DIN EN ISO 2409:2020-12 (following) |
| Result        | Test passed                         |

#### UV resistance

|               |                                       |
|---------------|---------------------------------------|
| Specification | DIN EN ISO 4892-2:2021-11 (following) |
| Result        | Test passed                           |
| Test duration | 96 h                                  |
| Procedure     | Artificial irradiation.               |

#### Weathering-resistance

|               |                           |
|---------------|---------------------------|
| Specification | DIN EN ISO 4892-2:2021-11 |
| Result        | Test passed               |

# LS-EMLP (27X8) WH - Device marker



0831688

<https://www.phoenixcontact.com/us/products/0831688>

|               |        |
|---------------|--------|
| Test duration | 6000 h |
| Procedure     | A      |

## Temperature resistance

|               |                                 |
|---------------|---------------------------------|
| Specification | ANSI/UL 969-2018:03 (following) |
| Test duration | 240 h                           |

## Wipe resistance of inscriptions

|   |  |
|---|--|
| Specification                                     | DIN EN 61010-1 (VDE 0411-01):2020-03<br>DIN EN 62208 (VDE 0660-511):2012-06 (in parts) |
| Isopropyl<br>[CAS No. 67-63-0]                    | Test passed  |
| n-Hexane<br>[CAS No. 110-54-3]                    | Test passed  |
| Water + Petroleum ether<br>[CAS No. 64742-82-1]   | Test passed  |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed  |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed  |
| Specification                                     | ISO 175:2010 (following)   |
| Test duration                                     | 168 h  |
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed  |
| Diesel<br>[CAS No. 68476-34-6]                    | Test passed  |
| IRM 901   | Test passed  |
| IRM 902   | Test passed  |

## Testing in a condensation changing climate in the presence of sulfur dioxide

|               |                      |
|---------------|----------------------|
| Specification | EN ISO 22479:2022-06 |
| Result        | Test passed          |
| Procedure     | Method B             |
| Cycles        | 2                    |

## Salt spray test

|               |                           |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result        | Test passed               |
| Test duration | 96 h                      |

## Ambient conditions

|   |   |
|---|---|
| Ambient temperature (operation)                     | -20 °C ... 60 °C  |
| Recommended ambient temperature (storage/transport) | 23 °C   |
| Recommended humidity (storage/transport)            | 50 % (Storage in a dry and dark place in the original packaging is recommended) |
| Shelf life  | 1 Year  |

## Standards and regulations

|                 |                             |
|-----------------|-----------------------------|
| Wipe resistance | DIN EN 61010-1 (VDE 0411-1) |
|-----------------|-----------------------------|

# LS-EMLP (27X8) WH - Device marker



0831688

<https://www.phoenixcontact.com/us/products/0831688>

## Mounting

|               |          |
|---------------|----------|
| Mounting type | adhesive |
|---------------|----------|

# LS-EMLP (27X8) WH - Device marker



0831688

<https://www.phoenixcontact.com/us/products/0831688>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27281103 |
| ECLASS-15.0 | 27281103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001288 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39131500 |
|-------------|----------|

# LS-EMLP (27X8) WH - Device marker



0831688  
<https://www.phoenixcontact.com/us/products/0831688>

## Environmental product compliance

|   |                            |
|---|----------------------------|
| EU RoHS                                 |                            |
| Fulfills EU RoHS substance requirements | Yes, No exemptions         |
| EU REACH SVHC                           |                            |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt% |

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)